

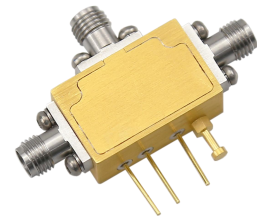
0.4-40GHz Broadband Switch

P/N: SPDT004400GA70A



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 10 dB and a high isolation of 72dB across the frequency range of 0.4 to 40 GHz. The typical switch speed 1 μ s. The DC power requirement for the switch is +5 V/100mA -5V/-50mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.4-40		GHz
Insertion Loss @26.5~40GHz			10	dB
Isolation	70	72		dB
Input VSWR			2.5	-
Output VSWR			2.5	-
Switch Speed		1	1.5	μ s
Power Handling			30	dBm
Amplitude repeated switching stability		0.03		dB
Phase repeated switching stability		0.3		°
Amplitude stability (@12h)		0.15		dB
Phase stability (@12h)		3		°
DC Current (Vcc=+/-5V)		100/-50		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector	2.92-Female/2.92-Female			
Switch type	Absorptive			
Material	Aluminium\Gold Painting			
Weight	31g			
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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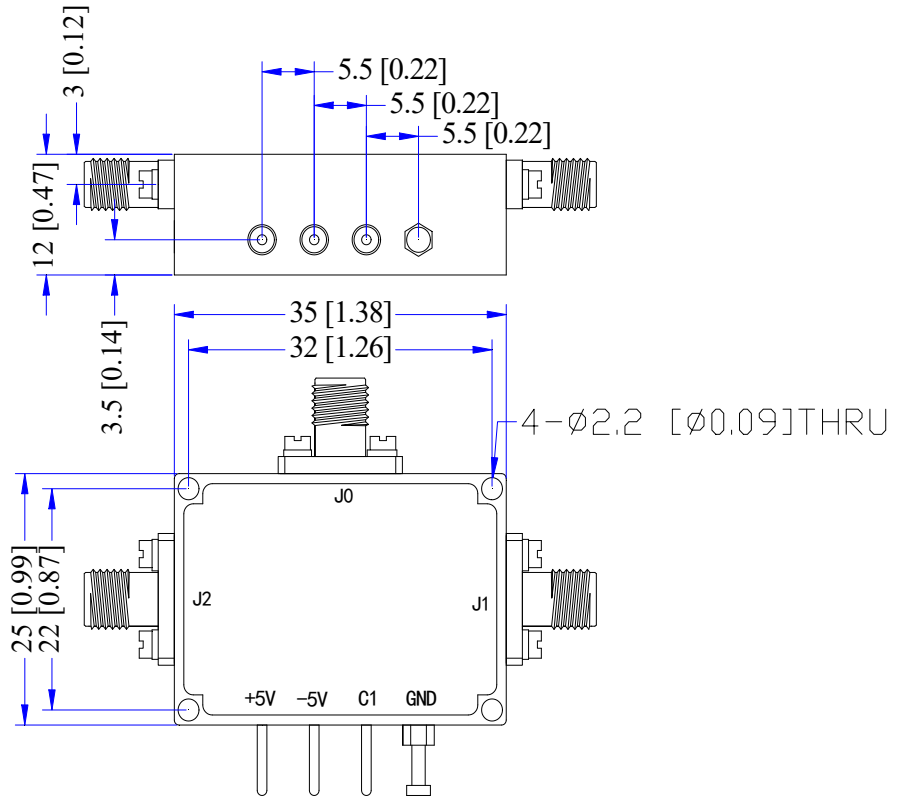
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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



Truth Table	
Control TTL Input	Signal Path State
C1	Signal Path State
0	
1	

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+5V ($\pm 5\%$)
VEE	-5V ($\pm 5\%$)
Low(0)	0 to 0.8Vdc
High(1)	2.0 to +5.0Vdc

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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